DHC 3/11/99



Ms. Lori Wrotenbery New Mexico Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Re: Administrative Approval to Downhole Commingle Cross Timbers Operating Co.

Bolack "C" LS #14A

2,130' FSL & 980' FEL Sec. 30, T27N, R08W

San Juan County, New Mexico

Dear Ms. Wrotenbery,

Cross Timbers Operating Company hereby request administrative approval to downhole commingle the Blanco Mesaverde and Otero Chacra pools in the above mentioned well. The well was originally completed as a dual completion with the Mesaverde being produced under a packer and up the tubing and the Chacra being produced up the casing. Currently both the Mesaverde and Chacra are producing. Through internal analysis it appears that both zones have been under produced. Most wells in this area (primarily Mesaverde wells) are very susceptible to liquid loading problems. Therefore to improve the recovery of liquids and to improve the ultimate recovery of production, Cross Timbers Operating Company is certain that if both zone are approved for downhole commingle then the above objectives can be obtained.

To comply with New Mexico Oil Conservation Rules, Cross Timbers Operating Co is submitting the following data for your approval of the proposed commingling:

- 1. C-107A Application for Downhole Commingle
- 2. C-102 Well Location & Acreage Dedication Plat
- 3. Production curves for both the Mesaverde & Chacra Formation
- 4. Offset Operators Plat
- 5. Well Location Plat

In accordance to New Mexico Oil Conservation Division Rule 303C, all offset operators are being notified of this application. As an offset operator, if you do not have any objections to this application, you do not have to respond to this notification.

If additional information is needed, please feel free to contact Cross Timbers Operating Co.

Sincerely,

Jeffery W. Patton Production Engineer

CC: NMOCD -Aztec, Offset Operators, BLM

P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107-A New 3-12-96

DISTRICT II

811 S. First St., Artesia, NM 88210-2835

1000 Rio Brazos Rd, Aztec, NM 87410-1693

OIL CONSERVATION DIVISION 2040 S. Pacheco Santa Fe, New Mexico 875054-6429

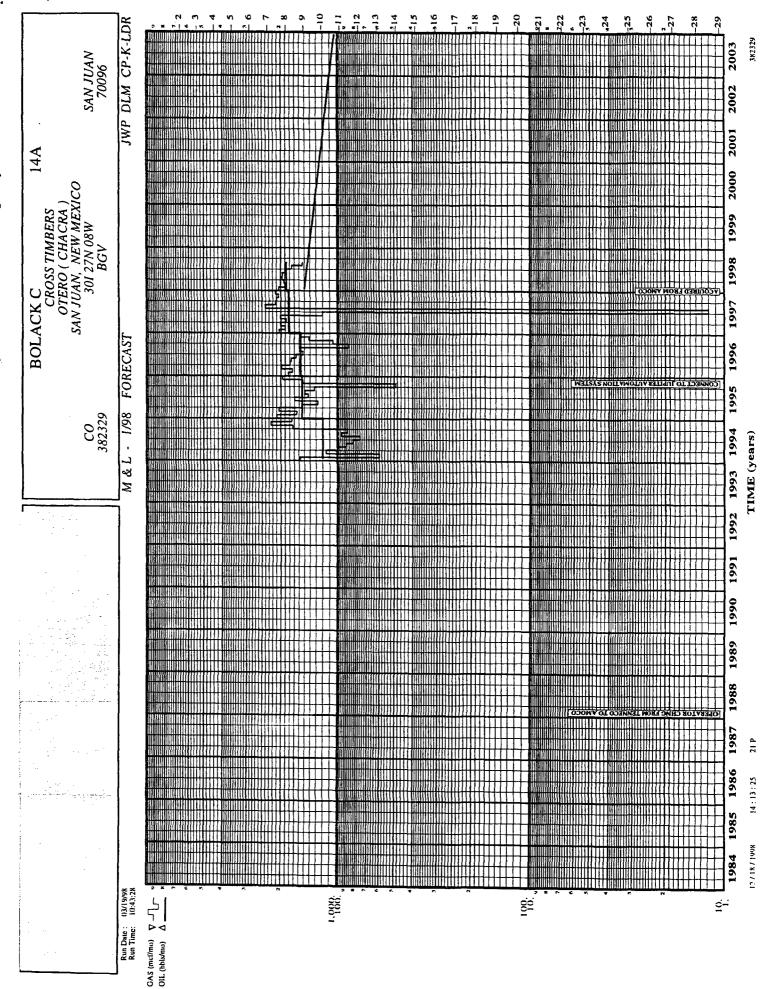
APPROVAL PROCESS: ___Administrative ___Hearing

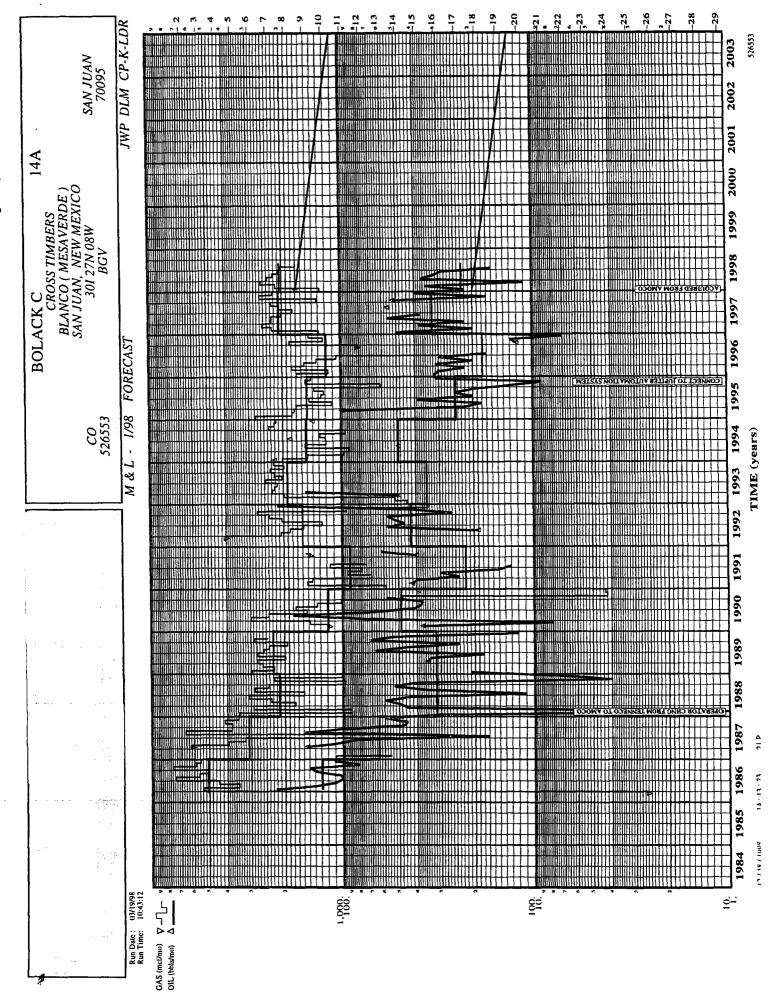
APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE __X_YES ____NO

Cross Timbers Operating Comp	ite 1 Farmington, NM 87401			
Bloack "C" LS	Address #14A I	30 27N 08W	San Juan	
Lease			County Unit Lease Types: (check 1 or more)	
OGRID NO. 167067 Property Cod	de <u>022596</u> APINO. <u>3004</u>	526553 Federal_	X	
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone	
Pool Name and Pool Code	Otero Chacra 82329		Blanco Mesaverde 72319	
Top and Bottom of Pay Section (Perforations)	3074'-3083' (perf'd)		4131'-4701' (perf'd)	
Type of production (Oil or Gas)	Gas		Gas	
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing	
Bottomhole Pressure Oil Zones - Artificial Lift:	_{a. (Current)} 295 psia (calc)	a.	a 554 psia (calc)	
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. (Original) 935 psia (calc)	b.	b. 820 psia (calc)	
6. Oil Gravity (^O API) or Gas BTU Content)	1147 btu		1342 btu / 46.4 API	
7. Producing or Shut-In?	Producing		Production	
Production Marginal? (yes or no)	yes		yes	
If Shut-in, give date and oil/gas/ water rates of last production Note: For new zones with no production history.	Date: Rates:	Date: Rates:	Date: Rates:	
applicant shall be required to attach production estimates and supporting data	Date: 02/09/99	Date:	Date: 02/09/99	
* If Producing, give date and oil/gas/ water rates of recent test (within 60 days)	Rates:	Rates:	Rates:	
	53 mcfpd 0 bwpd 0 bopd		62 mcfpd 0 bwpd 1 bopd	
Fixed Percentage Allocation Formula -% for each zone	Oil: Gas: 47 %	Oil: Gas: %	Oil: Gas: 53 %	
9. If allocation formula is based upon something other than current or past production, or is based upon some other method submit attachments with supporting data and/or explaining method and providing rate projections or other required data.				
10. Are all working, overriding, and royalty interests identical in all commingled zones? If not, have all working, overriding, and royalty interests been notified by certified mail? Have all offset operators been given written notice of the proposed downhole commingling? X YesNoNo				
11. Will cross-flow occur?Yes _X_No _ If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliableYesNo _ (If No, attach explanation)				
12. Are all produced fluids from all commingled zones compatible with each other? X Yes No				
13. Will the value of production be decreased by commingling? Yes _X_No (If Yes, attach explanation)				
14. If this well in on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X Yes No				
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S)				
16. ATTACHMENTS: * C-102 for each zone to be commingled showing its spacing unit and acreage dedication. * Production curve for each zone for at least one year. (If not available, attach explanation.) * For zones with no production history, estimated production rates and supporting data. * Data to support allocation method or formula. * Notification list of all offset operators. * Notification list of working, overriding, and royalty interests for uncommon interest cases. * Any additional statements, data, or documents required to support commingling.				
I hereby certify that the information above is true and complete to the best of my knowledge and belief.				
SIGNATURE ////	Valla	TITLE	DATE <u>2/19/99</u>	
TYPE OR PRINT NAME	EFFERY W PATTON	TELEPHONE NO. (505) <u>324 - 1090</u>	

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TENNECO	OIL COMPANY			BOLACK (LS				11/A
Unit Letter	Section	Township		Range		County			
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Actual Footage Loc	cation of Well:	······································		^			· · · · · · · · · · · · · · · · · · ·		
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Ground Level Elev:	Producing	Formation	Poo	1			·	Dedic	ated Yeseades
6127	Chacra	'Mesaverde	Unc	les. CH/Bl	anco I	ΜV	•	160/	
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dated by d	communitization	i, unitization	, force-pooling.	etc?					,
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· Yes	X No I	f answer is '	'yes," type of co	onsolidation					
If answer	is "no," list th	he owners ar	id tract descript	ions which l	have ac	tually b	een consol	idated.	(Use reverse side of
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Re:

Administrative Approval to Downhole Commingle Cross Timbers Operating Co.

Bolack C "LS" #14A

1,640' FEL & 800' FNL Sec. 30, T27N, R08W

San Juan County, New Mexico



Dear Offset Operator,

As an offset operator to the above mentioned well, you are hereby notified that Cross Timbers Operating Co is filing for downhole commingle approval.

As an offset operator, you have the right to file an objection to the commingling of the above mentioned well within twenty (20) days starting upon receipt of this certified letter. If you do not have any objections to the above well being commingled, you can either sign this letter waiving your rights to an objection or let the twenty days, upon receipt of this letter, expire.

Please return this letter or a letter of objection to Mr. David Catanach at the address listed.

Mr. David Catanach New Mexico Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Cross Timbers Oil Co sincerely appreciate your prompt response concerning this approval.

Burlington Resources Oil & Gas	Signature:
Greystone Energy	Signature:
Energen Resources	Signature: Cocoran

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Cross Timbers Oil Co sincerely appreciate your prompt response concerning this approval.

Burlington Resources Oil & Gas	Signature:
Greystone Energy	Signature:
Energen Resources	Signature:

Bolack "C" LS #14A

Offset Operator / Ownership Plat Blanco Mesaverde / Otero Chacra Downhole Commingle

Township 27N, Range 09 W / Township 27 N, Range 08 W

- Burlington Resources Oil & Gas Company 3535 E. 30th St. Farmington, NM 87402
- Greystone Energy5802 Hwy 64Farmington, NM 87401
- 3. Energen Resources 2198 Bloomfield Hwy. Farmington, NM 87401
- 4. Cross Timbers Operating Co. 6001 E. Hwy 64
 Farmington, NM 87401

Cross Timbers Operating Company

Township 27N,	Township 27N,
Range 09W	Range 08W